

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

Application Number	10/057,548
Filing Date	01-23-2002
First Named Inventor	Wellinghoff
Art Unit	1756
Examiner Name	Sadula
Attorney Docket Number	SwRI-2835-08

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JS		US- 5,808,108	09-15-98	Chappelow, et al.	
JS		US- 5,624,976	04-29-1997	Klee	
JS		US- 4,914,221	04-03-1990	Winkler, et al.	
JS		US- 2004/0199004	10-07-2004	Wellinghoff, et al.	
JS		US- 2002/0036285 A1	03-28-2002	Prechtl, et al.	
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JS		US- 2003/0055280 A1	03-20-2003	Wellinghoff	
JS		US- 5,654,471	08-05-1997	Zahn	
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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Sheet 2 of 5

NON PATENT LITERATURE DOCUMENTS			
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JS		CHOI, Rheological studies on sterically stabilized model dispersions of uniform colloidal spheres. II. Steady-shear viscosity, J. Colloid Interface Science., September 1986, pp. 101-113, Vol. 113(1), Academic Press, Inc.	
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<i>JS</i>		HOLMBERG, Ester Synthesis with Dicyclohexycarbodiimide Improved by Acid Catalysts, Acta Chemica Scandinavica, 1979, pp. 410-412, Vol. B 33.	
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<i>JS</i>		GRIFFIN, Mesogenic Polymers. III. Thermal Properties and Synthesis of Three Homologous Series of Thermotropic Liquid Crystalline "Backbone" Polyesters, Journal of Polymer Science: Polymer Physics Edition, 1981, pp. 951-969, Vol. 19, John Wiley & Sons, Inc.	
<i>JS</i>		HUTCHINS, Aqueous Polar Aprotic Solvents. Efficient Sources of Nucleophilic Oxygen, J. Org. Chem. 1983, pp. 1360-1362, Vol. 48, The American Chemical Society.	
<i>JS</i>		KORNBLUM, Displacement of the Nitro Group of Substituted Nitrobenzenes - a Synthetically Useful Process, J. Org. Chem., 1976, pp. 1560-1564, Vol. 41, The American Chemical Society.	
<i>JS</i>		CLARK, X-Ray Scattering Study of Smectic Ordering in a Silica Aerogel, Physical Review Letters, November 22, 1993, pp. 3505-3508, Vol. 71, No. 21, The American Chemical Society.	
<i>JS</i>		BROER, In-Situ photopolymerization of oriented liquid-crystalline acrylates, 4 Influence of a lateral methyl substituent on monomer and oriented polymer network properties of a mesogenic diacrylate, Makromol. Chem. 1989, pp. 3201-3215, Vol. 190, Huthig & Wepf Verlag Basel, Heidelberg, New York.	
<i>JS</i>		BARCLAY, Liquid Crystalline and Rigid-rod Networks, Prog. Polym. Sci., 1993, pp. 899-945, Vol. 18(5), Pergamon Press Ltd.	
<i>JS</i>		Liquid Crystalline Polymers to Mining Applications, Encyclopedia of Polymer Science and Engineering, 1987, pp. 1-61, Vol. 9, John Wiley & Sons, New York.	

Examiner Signature	<i>James R.</i>	Date Considered	3/2/05
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Sheet	4	of	5	Attorney Docket Number	SwRI-2835-08

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		MEEK, Inertness of Tetrachlorofulvenes in the Diels-Alder Reaction, J. Org. Chem., January 9, 1958, pp. 1708-1710, Vol. 22 (12), The American Chemical Society.		
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JS		KOCHAN ET AL, Solid Freeform Manufacturing - Assessments and Improvements at the Entire Process Chain, Proceedings of the Seventh International Conference on Rapid Prototyping, March 31-April 3, 1997, pp. 203-214, 94RA021.		
JS		NORLING ET AL, Cure shrinkage of experimental LC monomer based composite resins, Abstract, American Association for Dental Research meeting, 2001, Chicago, IL.		
JS		MOGRI ET AL, Thermomechanical of liquid crystalline monomer in dental composites, Abstract, American Association for Dental Research meeting, 2001, Chicago, IL.		
JS		DOWELL ET AL, The Effect of Silanation on Polymerization and Dynamic Mechanical Behavior of a homogenous nanofilled resin, Abstract, American Association for Dental Research meeting, 2001, Chicago, IL.		
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JS		NORLING ET AL, Synthesis of a new low shrinkage liquid crystal monomer, Abstract, American Association for Dental Research meeting, 2000, Washington, D.C.		
JS		FURMAN ET AL, A Radiopaque Zirconia Microfiller for Translucent Composite Restoratives, Abstract, American Association for Dental Research meeting, 2000, Washington, D.C.		
		GENG, Targeted Drug Release by a Novel Polymeric Device Based on EVA (Ethylene Vinyl Acetate) For Periodontal Condition, (ABSTRACT).		

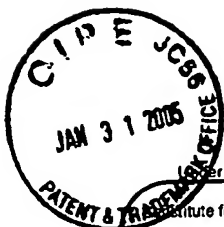
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JS		BOLAND ET AL, Cell Survival and Cytokine Expression by Dental Cells Treated with a Liquid Crystal Resin Monomer, J. Dent. Res., 2001, pp. 151 (Abstract 928), Vol. 80.	
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JS		WELLINGHOFF ET AL, Reduced Shrinkage dimethacrylate liquid crystal resins, J. Den. Res. 1997, pp. 279 (Abstract 2127), Vol. 76.	
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		PANYAYONG, Effects of Corn-Starched & Primer Additions on Mechanical Properties of Provisional Dental Resin, (ABSTRACT).	

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